

**bs-11712R****[ Primary Antibody ]****CHMP2B Rabbit pAb****BioSS**  
**ANTIBODIES**

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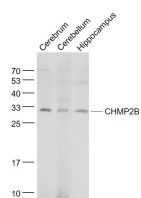
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**DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Horse)
<b>GeneID:</b> 25978	<b>SWISS:</b> Q9UQN3	
<b>Target:</b> CHMP2B		<b>Predicted MW.:</b> 24 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CHMP2B: 31-120/213.		<b>Subcellular Location:</b> Cytoplasm
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> The charged multivesicular body proteins, commonly designated CHMPs, belong to the vacuolar sorting protein family and function as chromatin-modifying proteins. CHMP1-6 are all components of ESCRT (endosomal sorting complex required for transport) I, II or III complexes. These complexes are crucial for sorting endosomal articles into multivesicular bodies (MVBs), and are also required for the formation of these bodies. CHMP2B, also known as CHMP2.5 or vacuolar protein-sorting-associated protein 2-2, is a 213 amino acid cytosolic protein. Widely expressed in brain, heart, skeletal muscle, small intestine, pancreas, lung, placenta and leukocytes, CHMP2B associates directly with CHMP2A and vps4 for the disassembly of the ESCRT-III complex. Defects in the gene encoding CHMP2B have been shown to cause chromosome 3-linked frontotemporal dementia (FTD3).		

**VALIDATION IMAGES**

Sample: Cerebrum (Mouse) Lysate at 40 ug  
Cerebellum (Mouse) Lysate at 40 ug  
Hippocampus (Mouse) Lysate at 40 ug Primary:  
Anti- CHMP2B (bs-11712R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 24 kD  
Observed band size: 30 kD

**SELECTED CITATIONS**

- **[IF=4.7]** Shan Pang. et al. Resveratrol alleviates inorganic arsenic-induced ferroptosis in chicken brain via activation of the Nrf2 signaling pathway. PESTIC BIOCHEM PHYS. 2024 Mar;;105885 WB ;Chicken. 10.1016/j.pestbp.2024.105885